Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-3. (Canceled)

4. (Currently Amended) A method for creating a composite image of at least one object, the method comprising:

recording a plurality of images of the objects using an image recording device moving along a path;

obtaining position information of the image recording device as the image recording device moves along the path;

associating the position information with the plurality of images; and

processing image data acquired from the plurality of images to create a composite image ~~depicting a view of the object from a particular location~~representing the object, wherein the composite image simulates a view of the object from a particular location that is situated off of the path of the image recording device.

5. (Canceled)

6. (Original) The method of claim 4, wherein the obtaining of position information comprises obtaining Global Positioning System (GPS) data.

7.   (Original)   The method of claim 4, wherein the obtaining of position information comprises:

obtaining acceleration information of the image recording device as the image recording device moves along the path; and

deriving the position information from the acceleration information.

8.   (Original)   The method of claim 4, wherein the obtaining of position information comprises deriving the position information of the image recording device at a particular time by computing a motion of objects in a plurality of images closest to the particular time.

9.   (Original)   The method of claim 4, wherein the associating of the position information comprises correlating times associated with the position information to times of acquisition of the plurality of images.

10. (Original)   The method of claim 4, wherein the processing of the image data comprises:

identifying a plurality of optical rays originating from the particular location;

selecting for each optical ray an image including a corresponding optical ray originating from a position on the path;

extracting image data for the corresponding optical ray from the selected images; and

combining the extracted image data to form the composite image.

11. (Original)   The method of claim 10, wherein the selecting of an image for each optical ray comprises:

determining the particular position on the path where the image recording device would have been located for recording an image including the corresponding optical ray;

calculating a time associated with the determined position; and

identifying an image recorded at the calculated time.

12. (Original)   The method of claim 10, wherein the selecting of an image for each optical ray comprises:

determining the particular position on the path where the image recording device would have been located for recording an image including the corresponding optical ray;

calculating a time associated with the determined position;

selecting an image recorded closest to the calculated time.

13. (Original)   The method of claim 10, wherein the selecting of an image for each optical ray comprises:

determining the particular position on the path where the image recording device would have been located for recording an image including the corresponding optical ray;

calculating a time associated with the determined position;

selecting a plurality of images recorded closest to the calculated time;

computing a motion of objects in the selected images; and

creating a new image frame for the calculated time based on the computed motion of objects.

14. (Original)   The method of claim 4, wherein the image data comprises a set of pixel values.

15. (Original)   The method of claim 4, wherein the recording of the images comprises recording the images from multiple viewing directions using multiple image recording devices.

16. (Original)   A method for creating a composite image database of a particular geographic area, the method comprising:

recording a plurality of images of a series of objects using an image recording device moving along a path;

obtaining position information of the image recording device as the image recording device moves along the path;

associating the position information with the plurality of images;

processing image data acquired from the plurality of images to create a composite image depicting a view of the series of objects from a particular location;

partitioning the path into a plurality of discrete segments;

associating the composite image to one of the discrete segments; and

storing the composite image and association information in the composite image database.

17. (Original)   The method of claim 16, wherein the recording of the images comprises recording the images from multiple viewing directions using multiple image recording devices.

18. (Original)   The method of claim 16, wherein the obtaining of position information comprises obtaining Global Positioning System (GPS) data.

19. (Original)   The method of claim 16, wherein the obtaining of position information comprises:

obtaining acceleration information of the image recording device as the image recording device moves along the path; and

deriving the position information from the acceleration information.

20. (Original)   The method of claim 16, wherein the obtaining of position information comprises deriving the position information of the image recording device at a particular time by computing a motion of objects in a plurality of images closest to the particular time.

21. (Original)   The method of claim 16, wherein the associating of the position information comprises correlating

times associated with the position information to times of acquisition of the plurality of images.

22. (Original)   The method of claim 16, wherein the object is located on a first side of the path and the composite image simulates a view of the object from the particular location on a second side of the path opposite from the first side.

23. (Original)   The method of claim 16, wherein the processing of the image data comprises:

identifying a plurality of optical rays originating from the particular location;

selecting for each optical ray an image including a corresponding optical ray originating from a position on the path;

extracting image data for the corresponding optical ray from the selected images; and

combining the extracted image data to form the composite image.

24. (Original)   The method of claim 23, wherein the selecting of an image for each optical ray comprises:

determining the particular position on the path where the image recording device would have been located for recording an image including the corresponding optical ray;

calculating a time associated with the determined position; and

identifying an image recorded at the calculated time.

25. (Original)   The method of claim 23, wherein the selecting of an image for each optical ray comprises:
determining the particular position on the path where the image recording device would have been located for recording an image including the corresponding optical ray;
calculating a time associated with the determined position; and
selecting an image recorded closest to the calculated time.

26. (Original)   The method of claim 23, wherein the selecting of an image for each optical ray comprises:
determining the particular position on the path where the image recording device would have been located for recording an image including the corresponding optical ray;
calculating a time associated with the determined position;
selecting a plurality of images recorded closest to the calculated time;
calculating a motion of objects in the selected images; and
creating a new image frame for the calculated time based on the computed motion of objects.

27. (Original)   The method of claim 16, wherein the image data comprises a set of pixel values.

28.   (Original)   The method of claim 16, wherein the partitioning of the path into a plurality of discrete segments comprises:

detecting an intersection on the path; and

identifying the position of the intersection.

29.   (Original)   The method of claim 28 wherein the detecting of the intersection comprises detecting a point of maximum curvature on the path.

30.   (Original)   The method of claim 16 wherein each discrete segment is associated with a plurality of composite images, each composite image depicting a portion of the associated segment.

31.   (Original)   The method of claim 16, wherein each discrete segment is a portion of a street and the method further comprises associating each discrete segment with a street name and number range.

32.-44.   (Canceled)

45.   (Currently Amended) A system for creating a composite image of a series of objects, the system comprising:

an image recording device moving along a path and recording a plurality of images of the objects;

a means for receiving position information of the image recording device as the image recording device moves along the path; and

a processor receiving the plurality of images and position information, the processor being operable to execute program instructions including:

associating the position information with the plurality of images; and

processing image data acquired from the plurality of images to create a composite image ~~depicting a view of the object from a particular location~~representing the object, wherein the composite image simulates a view of the object from a particular location that is situated off of the path of the image recording device.

46.   (Original)   The system of claim 45 wherein multiple image recording devices record the images from multiple viewing directions.

47.   (Canceled)

48.   (Original)   The system of claim 45, wherein the means for receiving position information comprises means for obtaining acceleration information of the image recording device as the image recording device moves along the path.

49. (Original)   The system of claim 45, wherein the means for receiving position information comprises means for receiving GPS data.

50. (Original)   The system of claim 45, wherein the associating of the position information comprises correlating times associated with the position information to times of acquisition of the plurality of images.

51. (Original)   The system of claim 45, wherein the processing of the image data comprises:

identifying a plurality of optical rays originating from the particular location;

selecting for each optical ray an image including a corresponding optical ray originating from a position on the path;

extracting image data for the corresponding optical ray from the selected images; and

combining the extracted image data to form the composite image.

52. (Original)   The system of claim 51, wherein the selecting of an image for each optical ray comprises:

determining the particular position on the path where the image recording device would have been located for recording an image including the corresponding optical ray;

calculating a time associated with the determined position; and

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identifying an image recorded at the calculated time.

53. (Original) The system of claim 51, wherein the selecting of an image for each optical ray comprises:

determining the particular position on the path where the image recording device would have been located for recording an image including the corresponding optical ray;

calculating a time associated with the determined position;

selecting an image recorded closest to the calculated time.

54. (Original) The system of claim 51, wherein the selecting of an image for each optical ray comprises:

determining the particular position on the path where the image recording device would have been located for recording an image including the corresponding optical ray;

calculating a time associated with the determined position;

selecting a plurality of images recorded closest to the calculated time;

calculating a motion of objects in the selected images; and

creating a new image frame for the calculated time based on the computed motion of objects.

55. (Original) The system of claim 45, wherein the image data comprises a set of pixel values.

56. (Original) A system for creating a composite image database of a particular geographic area, the system comprising:

an image recording device moving along a path and recording a plurality of images of a series of objects;

means for obtaining position information of the image recording device as the image recording device moves along the path;

means for associating the position information with the plurality of images;

means for processing image data acquired from the plurality of images to create a composite image depicting a view of the series of objects from a particular location;

means for partitioning the path into a plurality of discrete segments;

means for associating the composite image to one of the discrete segments; and

means for storing the composite image and association information in the composite image database.

57. (Original)   The system of claim 56 wherein multiple image recording devices record the images from multiple viewing directions.

58. (Original)   The system of claim 56, wherein the means for associating comprises means for correlating times associated with the position information to times of acquisition of the plurality of images.

59. (Original)   The system of claim 56, wherein the object is located on a first side of the path and the composite

image simulates a view of the object from the particular location on a second side of the path opposite from the first side.

60. (Original)   The system of claim 56, wherein the means for processing the image data comprises:

means for identifying a plurality of optical rays originating from the particular location;

means for selecting for each optical ray an image including a corresponding optical ray originating from a position on the path;

means for extracting image data for the corresponding optical ray from the selected images; and

means for combining the extracted image data to form the composite image.

61. (Original)   The system of claim 60, wherein the means for selecting an image for each optical ray comprises:

means for determining the particular position on the path where the image recording device would have been located for recording an image including the corresponding optical ray;

means for calculating a time associated with the determined position; and

means for identifying an image recorded at the calculated time.

62. (Original)   The system of claim 60, wherein the means for selecting an image for each optical ray comprises:

means for determining the particular position on the path where the image recording device would have been located for recording an image including the corresponding optical ray;

means for calculating a time associated with the determined position; and

means for selecting an image recorded closest to the calculated time.

63. (Original)   The system of claim 60, wherein the means for selecting of an image for each optical ray comprises:

means for determining the particular position on the path where the image recording device would have been located for recording an image including the corresponding optical ray;

means for calculating a time associated with the determined position;

means for selecting a plurality of images recorded closest to the calculated time;

means for calculating a motion of objects in the selected images; and

means for creating a new image frame for the calculated time based on the computed motion of objects.

64. (Original)   The system of claim 56, wherein the image data comprises a set of pixel values.

65. (Original)   The system of claim 56, wherein the means for partitioning the path comprises:

means for detecting an intersection on the path; and

means for identifying the position of the intersection.

66. (Original)   The system of claim 56 wherein each discrete segment is associated with a plurality of composite images, each composite image depicting a portion of the associated segment.

67. (Original)   The system of claim 56, wherein each discrete segment is a portion of a street and the system further comprises means for associating each discrete segment with a street name and number range.

68.-80.   (Canceled)

81. (Original)   A computer-readable medium comprising:

a program code embodied in the computer readable medium for creating a composite image of a series of objects from a plurality of images acquired by an image recording device moving along a path, the computer-readable program segment comprising instructions for performing the steps of:

identifying a plurality of optical rays originating from a particular location;

selecting for each optical ray an image including a corresponding optical ray originating from a position on the path;

extracting image data for the corresponding optical ray from the selected images; and

combining the extracted image data to form the composite image.

82. (Original) The computer-readable medium of claim 79, wherein the step of selecting an image for each optical ray comprises:

determining the particular position on the path where the image recording device would have been located for recording an image including the corresponding optical ray;

calculating a time associated with the determined position; and

identifying an image recorded at the calculated time.

83. (Original) The computer-readable medium of claim 79, wherein the step of selecting an image for each optical ray comprises:

determining the particular position on the path where the image recording device would have been located for recording an image including the corresponding optical ray;

calculating a time associated with the determined position;

selecting an image recorded closest to the calculated time.

84. (Original) The computer-readable medium of claim 79, wherein the step of selecting an image for each optical ray comprises:

determining the particular position on the path where the image recording device would have been located for recording an image including the corresponding optical ray;

calculating a time associated with the determined position;

selecting a plurality of images recorded closest to the calculated time;

calculating a motion of objects in the selected images; and

creating a new image frame for the calculated time based on the computed motion of objects.

85. (Original)   The computer-readable medium of claim 79, wherein the image data comprises a set of pixel values.